

IN THE CLAIMS:

Please cancel claims 102, 103, 109, 110, 116, 117, 123, and 124, without prejudice to, or disclaim of, the subject matter recited therein. Please also amend claims 101, 105-108, 112-115, 119-122, and 126-128, as follows.

1. to 100. (Canceled)

101. (Currently Amended) An information processing apparatus which communicates with a printer having a plurality of logical channels including a management channel which receives data for controlling printing of a job and a job data channel which receives a print data job, the information processing apparatus comprising:

~~a first generating means for generating control data for controlling printing of a job;~~

packets generating means for generating a plurality of job packets, each including a header, which identifies print data, as a print job; and

[[a]] transfer control means for controlling transfer of the ~~control data~~ job packets generated by said ~~first~~ packets generating means ~~through the management via the job data channel, and~~

~~a second wherein said packets~~ generating means ~~for generating~~ generates cancel packets data containing a ~~cancel~~ an instruction to cancel the print job if a cancel instruction of the print job is detected while transferring the ~~print data~~ job packets ~~through via~~ the job data channel,

wherein said transfer control means controls the transfer of the cancel ~~data packets containing the cancel instruction of the print job generated by the second generating means through~~ via the job data channel, and

wherein the printer stores data, taken from the job packets received via the job data channel, in a storage unit based on analyzing the header of the job packets, and the printer issues cancellation of processing of the print data if a cancel packet is confirmed based on analyzing the header of the job packets received via the job data channel.

102. (Cancelled)

103. (Cancelled)

104. (Previously Presented) The information processing apparatus according to claim 101, further comprising:

a management table for managing a transfer status of a print job; and

a cancel controlling means for canceling a print job retained in a host computer by referencing said management table.

105. (Currently Amended) The information processing apparatus according to claim 101, wherein ~~said the cancel data packet containing the cancel instruction of the print data~~ contain comprises dummy data.

106. (Currently Amended) A printer having ~~a plurality of logical channels including a management channel which receives control data for controlling a print job and a data channel which receives print data;~~ data and communicates with an information processing apparatus, the printer comprising:

~~a transfer device for transferring, through said management channel, the control data for controlling the print job generated by an information processing apparatus with which the printer communicates; and~~

a first receiving device for receiving a plurality of job packets, via a job data channel, the job packets being generated by the information processing apparatus and each including a header, which identifies print data, as a print job;

an analyzing device for analyzing the header of the job packets received by the first receiving device;

storage means for storing data, taken from the job packets received via the job channel, in a storage unit based on the analysis of the analyzing device.

~~a canceling device for canceling data already received in response to receiving, through said data channel by a receiving means, cancel data containing a cancel instruction of a print job, the cancel data being generated when the cancel instruction of the print job is detected while transferring print data through said data channel.~~

107. (Currently Amended) The printer according to Claim 106, wherein said cancel data packet ~~containing the cancel instruction of the print data contains~~ comprises dummy data.

108. (Currently Amended) A processing method for ~~[[of]]~~ an information processing apparatus which communicates with a printer having ~~a plurality of logical channels including a management channel which receives control data for controlling a print job and a job data channel which receives a print data job~~, the processing method comprising the steps of:

- ~~a first generating step for generating control data for controlling a print job;~~
- generating a plurality of job packets, each including a header, which identifies print data, as a print job;
- ~~a first transfer control step for controlling transfer of the control data generated by said first generating step through said management channel;~~
- ~~a second generating step for generating cancel data packets containing a cancel~~
an instruction of a to cancel the print job when a cancel instruction of the print job is detected
while transferring the print data job packets through said via the job data channel; and
- ~~a second transfer control step for controlling transfer of the cancel data packets containing said cancel instruction of the print job generated by said second generating step through said via the job data channel,~~
- wherein the printer stores data, taken from the job packets received via the job data channel, in a storage unit based on analyzing the header of the packets, and the printer issues cancellation of processing of the print data if a cancel packet is confirmed based on analyzing the header of the job packets received via the job data channel.

109. (Cancelled)

110. (Cancelled)

111. (Previously Presented) The processing method according to Claim 108, further comprising a cancel control step for canceling a print job retained in a host computer in accordance with referencing a managing table which manages a transfer status of a print job.

112. (Currently Amended) The processing method according to Claim 108, wherein ~~said~~ the cancel data packet ~~containing the cancel instruction of the print job~~ contains comprises dummy data.

113. (Currently Amended) A processing method ~~of~~ for a printer having a plurality of logical channels including a management channel which receives control data for controlling a print job and a job data channel which receives print data, and that communicates with an information processing apparatus, the processing method comprising the steps of:

~~a receiving step for receiving, through said management channel, the control data for controlling a print job generated by an information processing apparatus with which the printer communicates; and~~

receiving a plurality of job packets via the job data channel, the job packets being generated by the information processing apparatus and each including a header, which identifies print data, as a print job;

analyzing the header of the job packets received in the receiving step;

storing data, taken from the job packets received via the job data channel, in a storage unit based on the analyzing step; and

~~a canceling step for canceling data already received, in response to receiving by a receiving unit through said data channel, cancel data containing a cancel instruction of a print job generated when a cancel instruction of the print job is detected while transferring print data through said data channel~~ processing of the stored print data if a cancel packet is confirmed based on the analyzing step.

114. (Currently Amended) The processing method according to Claim 113, wherein the said cancel data packet ~~containing the cancel instruction of the print job~~ contains comprises dummy data.

115. (Currently Amended) Computer-executable process steps for a processing method ~~of~~ for an information processing apparatus which communicates with a printer having a plurality of logical channels including a management channel which receives control data for controlling a print job and a job data channel which receives a print ~~data~~ job, the executable process steps comprising the steps of:

~~a first generating step for generating control data for controlling a print job;~~

~~a first transfer control step for controlling transfer of the control data generated by said first generating step through said management channel;~~

generating a plurality of job packets, each including a header, which identifies print data, as a print job;

~~a second generating step for generating cancel data packets containing a cancel~~
~~an instruction to cancel the of a print job when a cancel instruction of the print job is detected~~
while transferring the print data through said job packets via the job data channel; and

~~a second transfer control step for controlling transfer of the cancel packets data~~
~~containing said cancel instruction of the print job generated by said second generating step~~
~~through said data channel via the job data channel,~~

wherein the printer stores data, taken from the job packets received via the job
data channel, in a storage unit based on analyzing the header of the packets, and the printer issues
cancellation of processing of the print data if a cancel packet is confirmed based on analyzing the
header of the job packets received via the job data channel.

116. (Cancelled)

117. (Cancelled)

118. (Previously Presented) Computer-executable process steps according to
Claim 115, further comprising a cancel control step for canceling a print job retained in a host
computer in accordance with referencing a managing table which manages a transfer status of a
print job.

119. (Currently Amended) Computer-executable process steps according to Claim 115, wherein ~~said the cancel packet data containing the cancel instruction of the print job~~ contains comprises dummy data.

120. (Currently Amended) Computer-executable process steps for a processing method ~~of for~~ a printer having ~~a plurality of logical channels including a management channel which receives control data for controlling a print job and a job data channel which receives print data and that communicates with an information processing apparatus,~~ the executable process steps comprising the steps of:

~~a receiving step for receiving, through said management channel, the control data for controlling a print job generated by an information processing apparatus with which the printer communicates; and~~

receiving a plurality of job packets via the job data channel, the job packets being generated by the information processing apparatus and each including a header, which identifies print data, as a print job;

analyzing the header of the job packets received in the receiving step;

storing data, taken from the job packets received via the job data channel, in a storage unit based on the analyzing step; and

~~a canceling step for canceling data already received, in response to receiving by a receiving unit through said data channel, cancel data containing a cancel instruction of a print job generated when a cancel instruction of the print job is detected while transferring print data~~

~~through said data channel~~ processing of the stored print data if a cancel packet is confirmed based on the analyzing step.

121. (Previously Presented) Computer-executable process steps according to Claim 120, wherein ~~said~~ the cancel packet data comprises ~~containing the cancel instruction of the print job contains~~ dummy data.

122. (Currently Amended) A computer-readable storage medium on which are stored computer-executable process steps for a processing method ~~of~~ for an information processing apparatus which communicates with a printer having ~~a plurality of logical channels including a management channel which receives control data for controlling a print job and a job data channel which receives a print data job,~~ the executable process steps comprising the steps of:

~~a first generating step for generating control data for controlling a print job;~~

~~a first transfer control step for controlling transfer of the control data generated by said first generating step through said management channel;~~

generating a plurality of job packets, each including a header, which identifies print data, as a print job;

~~a second generating step for generating cancel data packets containing a cancel~~
an instruction to cancel the ~~of a~~ print job when a cancel instruction of the print job is detected while transferring the ~~print data through said job packets via the job~~ data channel; and

~~a second transfer control step for controlling transfer of the cancel packets data containing said cancel instruction of the print job generated by said second generating step through said data channel via the job data channel,~~

~~wherein the printer stores data, taken from the job packets received via the job data channel, in a storage unit based on analyzing the header of the packets, and the printer issues cancellation of processing of the print data if a cancel packet is confirmed based on analyzing the header of the job packets received via the job data channel.~~

123. (Cancelled)

124. (Cancelled)

125. (Previously Presented) The computer-readable storage medium according to Claim 122, further comprising a cancel control step for canceling a print job retained in a host computer in accordance with referencing a managing table which manages a transfer status of a print job.

126. (Currently Amended) The computer-readable storage medium according to Claim 122, wherein ~~said the cancel packet comprises data containing the cancel instruction of the print job contains dummy data.~~

127. (Currently Amended) A computer-readable storage medium on which are stored computer-executable process steps for a processing method of a printer, having ~~a plurality of logical channels including a management channel which receives control data for controlling a print job~~ and a job data channel which receives print data and that communicates with an information processing apparatus, the executable process steps comprising the steps of:

~~a receiving step for receiving, through said management channel, the control data for controlling a print job generated by an information processing apparatus with which the printer communicates; and~~

receiving a plurality of job packets via the job data channel, the job packets being generated by the information processing apparatus and each including a header, which identifies print data, as a print job;

analyzing the header of the job packets received in the receiving step;

storing data, taken from the job packets received via the job data channel, in a storage unit based on the analyzing step; and

~~a canceling step for canceling data already received, in response to receiving by a receiving unit through said data channel, cancel data containing a cancel instruction of a print job generated when a cancel instruction of the print job is detected while transferring print data through said data channel~~ processing of the stored print data if a cancel packet is confirmed based on the analyzing step.

128. (Previously Presented) The computer-readable storage medium according to Claim 127, wherein ~~said~~ the cancel packet comprises ~~data containing the cancel instruction of the print job contains~~ dummy data.